

LA-UR-19-30914

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Title: LANL 2019 Operations and Maintenance Highlights

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Intended for: Presentation

Issued: 2019-10-25

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LANL 2019 Operations and Maintenance Highlights

Weapons Infrastructure Program



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October 25, 2019

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LANL 2019 Operations and Maintenance Highlights

TA55

- Completed the 2018 documented safety analysis which addressed the close out of legacy conditions of approval and evaluation of the safety of the situations. (OPS)
- Designed and piloted alternative resettable fusible link design for drop boxes (fire suppression) in PF4. (MAINT)

CMR

- CMR main freight elevator upgrade enabling continued cleanout activities to be performed safely and efficiently. (MAINT)

Waste facilities

- RANT readiness completed 2/28/19 and completed 14 and shipments of TRU waste (454 containers). (OPS)
- RANT paving and HVAC installation improving material handling safety and worker comfort during waste packaging activities. (MAINT)

RLUOB

- Completed Engineering Assessment in support of transitioning the facility from a 38.6 gram equivalent radiological facility to a 400 gram equivalent nuclear Hazard Category 3 facility. (OPS)
- Established a permanent full time maintenance crew dedicated to correcting fire barrier penetrations throughout the building. (MAINT)

RLWTF

- Completed the installation of eight moisture monitoring wells at the Solar Evaporation Tanks – GWDP (OPS)

LANSCE

- Target 4 crane repair within the Weapons Neutron Research facility (MAINT)
- Performed critical weld repair in LINAC to resume accelerator operations (MAINT)

WFO

- DARHT chiller and cooling tower replacement (MAINT)
- A New Activity Approval Process was developed and is now routinely performed by WFO. (OPS)
- Removal of asbestos tile flooring in Rm's 10,11, 22 and 23 totaling 4,000 square feet (MAINT)
- 132 lights replaced on the shop floor to LED's. (MAINT)

DARHT Chiller and Cooling Tower Upgrade (MAINT)



Performed critical weld repair in LANSCE LINAC to resume accelerator operations (MAINT)





Established a permanent full time maintenance crew dedicated to correcting fire barrier penetrations throughout RLUOB. (MAINT)



Inspection: 1/2" insulated copper pipes are not firestopped correctly.

Corrected: 1/2" insulated copper pipes with added insulation onto the pipes and sealed each penetration with Hitli System W-J-5042.



Completed the installation of eight moisture monitoring wells at the Solar Evaporation Tanks (OPS)



RANT readiness completed 2/28/19 and completed 14 and shipments of TRU waste (454 containers). (OPS)

